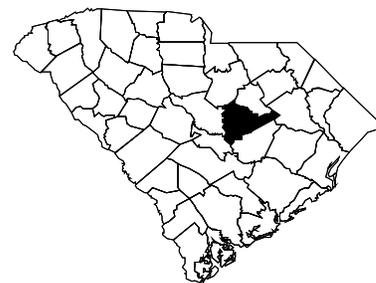


IMPACT OF CHRONIC CONDITIONS SUMTER County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer’s disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Union county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Sumter county’s population is similar to the state population. The majority (37%) of the population in Sumter county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Sumter county has a higher minority population (50%) than the state (31%). When adults in DHEC’s Region 4, which includes Sumter County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	SUMTER COUNTY	STATE
Population size	105,517	4,255,083
Age distribution (%)		
<18	27	24
18-44	37	38
45-64	24	25
65-84	11	11
85+	2	2
Race (%)		
White	50	69
Black & Other	50	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Sumter County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	22
Sedentary lifestyle	30	26
Overweight	68	65
High Cholesterol	32	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.5	.	.	.	.	31.7
Number of hospitalizations	226	177	48	84	142	5,032
Crude rate of hospitalizations (per 100,000)	214	339	90	165	260	118
Median age of hospitalized patients	67	62	77	57	67	57
Total cost of hospitalization (\$)	3,659,200	2,832,600	826,600	1,424,700	2,234,500	109,400,500
Average length of hospital stay (days)	6	6	6	5	6	5
Number of ED visits	174	140	34	71	103	7,466
Crude rate of ED visits (per 100,000)	165	268	64	140	188	175
Median age of ED patients	47	47	57	47	52	52
Total cost of ED visits (\$)	280,600	210,600	70,000	118,500	162,100	9,929,000
Number of deaths**	12	8	4	2	10	423
Age-Adjusted Death rate (per 100,000)**	12	18	7	5	16	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	1,586	713	873	819	767	60,901
Crude rate of hospitalizations (per 100,000)	1,503	1,364	1,640	1,611	1,403	1,431
Median age of hospitalized patients	67	62	72	62	72	67
Total cost of hospitalization (\$)	44,808,800	17,101,200	27,707,600	25,438,500	19,370,300	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	6	5
Number of ED visits	347	198	149	196	151	12,989
Crude rate of ED visits (per 100,000)	329	379	280	385	276	305
Median age of ED patients	62	57	62	57	67	62
Total cost of ED visits (\$)	1,453,400	831,100	622,300	868,000	585,400	42,115,900
Number of deaths**	248	113	135	127	121	9,328
Age-Adjusted Death rate (per 100,000)**	243	259	233	326	186	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	406	200	206	194	212	13,925
Crude rate of hospitalizations (per 100,000)	385	383	387	382	388	327
Median age of hospitalized patients	67	67	72	67	72	72
Total cost of hospitalization (\$)	10,027,200	5,112,100	4,915,100	5,312,900	4,714,300	384,441,600
Average length of hospital stay (days)	6	7	6	7	6	6
Number of ED visits	75	44	31	36	39	2,515
Crude rate of ED visits (per 100,000)	71	84	58	71	71	59
Median age of ED patients	62	52	67	57	67	67
Total cost of ED visits (\$)	428,900	188,400	240,500	225,700	203,200	9,113,000
Number of deaths**	65	24	41	29	36	2,440
Age-Adjusted Death rate (per 100,000)**	65	54	73	80	56	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	451	221	229	186	265	15,753
Crude rate of hospitalizations (per 100,000)	427	423	430	366	485	370
Median age of hospitalized patients	62	52	72	60	62	62
Total cost of hospitalization (\$)	6,617,400	3,158,300	3,459,100	2,455,900	4,161,500	268,425,300
Average length of hospital stay (days)	5	5	6	5	6	5
Number of ED visits	1,174	837	337	618	556	36,543
Crude rate of ED visits (per 100,000)	1,113	1,601	633	1,215	1,017	859
Median age of ED patients	32	27	42	25	37	37
Total cost of ED visits (\$)	1,765,000	1,180,200	584,800	932,000	833,000	40,613,700
Number of deaths**	44	9	35	19	25	1,968
Age-Adjusted Death rate (per 100,000)**	43	20	60	46	41	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	330	218	112	147	183	9,027
Crude rate of hospitalizations (per 100,000)	313	417	210	289	335	212
Median age of hospitalized patients	47	47	50	47	52	52
Total cost of hospitalization (\$)	4,794,800	3,137,400	1,657,400	2,055,100	2,739,700	179,747,700
Average length of hospital stay (days)	6	6	6	6	6	6
Number of ED visits	326	245	81	134	192	9,603
Crude rate of ED visits (per 100,000)	309	469	152	264	351	226
Median age of ED patients	52	52	52	47	57	52
Total cost of ED visits (\$)	501,100	377,000	124,100	197,500	303,600	13,447,300
Number of deaths**	44	26	18	21	23	1,183
Age-Adjusted Death rate (per 100,000)**	42	59	29	49	38	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	483	228	255	231	252	16,389
Crude rate of hospitalizations (per 100,000)	458	436	479	454	461	385
Median age of hospitalized patients	62	62	67	62	67	62
Total cost of hospitalization (\$)	18,780,600	9,511,500	9,269,100	9,048,100	9,732,500	664,309,500
Average length of hospital stay (days)	9	11	8	9	9	8
Number of deaths**	249	117	130	141	108	8,617
Age-Adjusted Death rate (per 100,000)**	239	264	220	326	179	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	53	29	24	25	28	2,070
Crude rate of hospitalizations (per 100,000)	50	55	45	49	51	49
Median age of hospitalized patients	67	62	67	62	72	67
Total cost of hospitalization (\$)	2,176,200	1,253,000	923,200	944,800	1,231,400	101,377,700
Average length of hospital stay (days)	10	10	9	10	10	10
Number of deaths**	23	10	13	9	14	812
Age-Adjusted Death rate (per 100,000)**	22	22	21	21	22	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	34	17	17	-	34	1,228
Crude rate of hospitalizations (per 100,000)	62	63	62	.	82	56
Median age of hospitalized patients	62	62	62	-	62	62
Total cost of hospitalization (\$)	1,024,600	524,800	499,800	-	1,024,600	26,163,000
Average length of hospital stay (days)	4	5	3	-	4	3
Number of deaths**	17	6	11	-	17	651
Age-Adjusted Death rate (per 100,000)**	28	22	32	-	28	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	10	-	-	10	192
Crude rate of hospitalizations (per 100,000)	18	37	-	-	18	9
Median age of hospitalized patients	72	72	-	-	72	47
Total cost of hospitalization (\$)	171,400	171,400	-	-	171,400	4,668,500
Average length of hospital stay (days)	3	3	-	-	3	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	2	4	-	-	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	69	31	38	36	33	2,181
Crude rate of hospitalizations (per 100,000)	65	59	71	71	60	51
Median age of hospitalized patients	67	67	67	62	67	67
Total cost of hospitalization (\$)	2,500,100	1,184,900	1,315,200	1,342,300	1,157,800	92,775,300
Average length of hospital stay (days)	10	11	9	9	11	9
Number of deaths**	84	44	39	55	29	2,703
Age-Adjusted Death rate (per 100,000)**	79	98	65	121	47	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	30	18	12	30	-	1,209
Crude rate of hospitalizations (per 100,000)	59	71	47	25	-	58
Median age of hospitalized patients	62	60	65	62	-	62
Total cost of hospitalization (\$)	696,300	445,300	251,000	696,300	-	30,356,600
Average length of hospital stay (days)	4	4	3	4	-	4
Number of deaths**	15	9	6	15	-	460
Age-Adjusted Death rate (per 100,000)**	41	66	26	41	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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